NUCLEAR FACILITY DEACTIVATION AND DECOMMISSIONING (D&D), FAST FLUX TEST FACILITY (FFTF) PROJECT (RL-0042)

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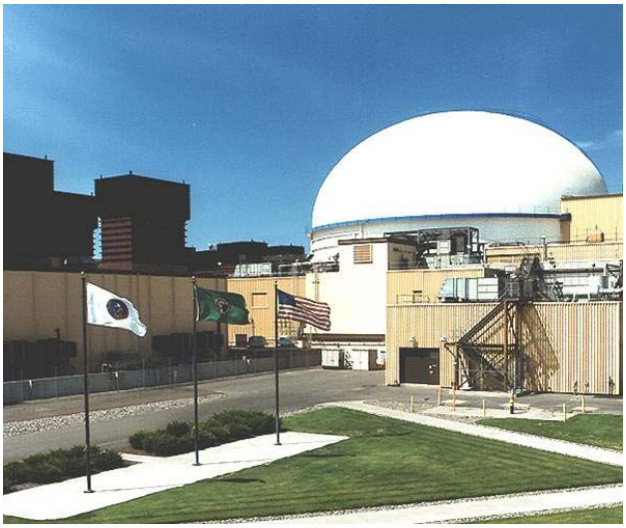
Solid Waste Cask



Fast Flux Test Facility

Removing Polychlorinated Biphenyl Transformer

Loading Polychlorinated Biphenyl Transformer for Shipment

OVERVIEW

This section addresses work in Project Baseline Summary RL-0042, Nuclear Facility Deactivation and Decommissioning (D&D), Fast Flux Test Facility Project.

NOTE: Unless otherwise noted, all information contained herein is as of the end of April 2004.

NOTABLE ACCOMPLISHMENTS

Fuel Handling: Forty-seven of fifty-seven fuel assemblies have been moved from the Fuel Storage Facility to the Interim Decay Storage (IDS) vessel as planned.

Bottom Loading Transfer Cask: After the sodium level of the IDS was lowered, the Bottom Loading Transfer Cask (BLTC) was used with a special fixture to "plunge" 107 empty core component pots to displace sodium in those pots. To support this operation, a special limited release of the BLTC software was installed. The software provided special set-down elevations for picking up the fixture at the transfer cell and for setting the fixture down at the IDS.

Interim Examination and Maintenance (IEM) Cell Operations: Operators completed training for disassembly of test assembly MFF-1 at the 309 IEM Training Facility. Repairs were completed on the IEM Cell 28-inch valve; final adjustments are being made to the valve operator.

Interim Storage Vaults: The Plutonium Finishing Plant has begun construction of the Interim Storage Vaults that will be used to store core component containers transferred from Interim Storage Casks (ISCs) later this summer. The Canister Storage Building Interim Storage Area (ISA) Safety Basis change has been approved by RL. Transfer of the 22 loaded ISCs from the 400 Area ISA to the 200 Area ISA will begin in mid-May.

Sodium Flush of In-Containment Sodium-Potassium (NaK) Loops: Mechanical installation of the cross-connect piping needed to flush the primary cold trap NaK cooling loop was completed. Work was initiated on the IDS NaK cooling loop cross-connect. These cross-connect lines must be trace heated and insulated before the sodium flush can be performed.

Primary Sodium Drain: A formal design review was completed for the reactor vessel drain pump assembly; no significant issues were identified. This pump assembly will be used to remove non-drainable sodium from the reactor vessel inlet plenum. The trace heating has been restored on the primary drain system, except for a ten-foot section of loop-two drain line. This piping section is in a closed cell which will be entered in early May for repairs.

Polychlorinated Biphenyl (PCB) Transformer Removal: As planned, the X-101 transformer has been disconnected, drained, and shipped off-site for disposal. This is the sixth of nineteen PCB transformers planned to be removed during the D&D process.

Floor Valves: Installation of an electrical modification which automatically sequences the depressurization of the floor valve inner cavity was completed for floor valve M-247. This will minimize the possibility of a spread of contamination when seals are deflated. This modification will be implemented into remaining floor valves as they become available for general overhaul.

FY 2004 FH FUNDS VS. SPEND FORECAST ($000)

	FY 2004 Anticipated Funding w/Carryover	FY 2004 Fiscal Year Spend Forecast	Variance
Nuclear Facility D&D, FFTF Project	$ 38,413	$ 38,413	$ 0

The FY 2004 Anticipated Funding excludes $3.8M for the post-PHMC period September 1-30, 2004. The fiscal year spend forecast is based on the scope documented in a baseline change request (BCR) under review with RL.

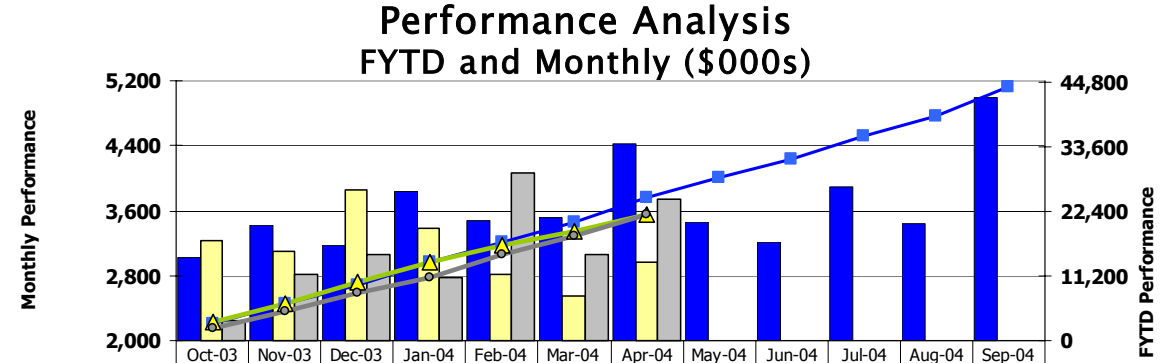
FY 2004 SCHEDULE/COST PERFORMANCE ($K)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
Nuclear Facility D&D, FFTF Project	24,858	21,905	21,794	-2,952	-12%	111	1%	43,842

Numbers are rounded to the nearest $K.

Schedule Performance (-$2,952K/-12%): The unfavorable schedule progress is due to less-critical maintenance activities being deferred to allow resources to be applied to deactivation activities (-$900K). Other significant contributors include suspension of Radial Reflector Shipping Container procurement (-$634K), reduction in budgeted fee (-$689K) which will be corrected when the in-process BCR is approved and implemented, and timing of the ISC procurement contract (-$551K).

Cost Variance (+$111K/1%): The cost variance is primarily due to controlled spending in the surveillance and maintenance area, and efficiency in performance of fuel offload activities.



	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04
Monthly BCWS	3,023	3,417	3,172	3,840	3,475	3,512	4,419	3,457	3,206	3,896	3,442	4,983
Monthly BCWP	3,235	3,102	3,859	3,391	2,809	2,553	2,957					
Monthly ACWP	2,246	2,822	3,070	2,785	4,067	3,057	3,747					
FYTD BCWS	3,023	6,439	9,612	13,452	16,927	20,439	24,858	28,315	31,521	35,417	38,859	43,842
FYTD BCWP	3,235	6,337	10,196	13,587	16,396	18,949	21,905					
FYTD ACWP	2,246	5,069	8,138	10,923	14,990	18,047	21,794					

MILESTONE ACHIEVEMENT

Number	Milestone Title	(TPA/DNSFB/PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
PI-S3-4a	Secondary system sodium drain	PI	5/31/03	4/16/03		Complete
PI-S3-4b	Fuel Offload - 81 assemblies	PI	1/22/04	12/11/03		Complete
M-81-12	Inititate FFTF sodium drain	TPA	6/30/03	4/7/03		Complete
M-20-29B	Submit sodium storage facility and sodium reaction facility closure plan or request for procedural closure to Ecology as defined in Agreement section 6.3.3.	TPA	6/30/03	6/12/03		Complete